

L Number	Hits	Search Text	DB	Time stamp
1	1142	valve and spring and packing and (cartridge or chamber or compartment or tank or container) and needle	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 09:54
2	1477	((valve or sealing or plug or ball) and spring and packing and needle) and (cartridge or chamber or compartment or tank or container)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 09:55
3	248	((valve or sealing or plug or ball) same spring same (packing or septum) same needle) and (cartridge or chamber or compartment or tank or container)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 11:02
4	95	((valve or sealing or plug or ball) same spring same (packing or septum) same needle) and (cartridge or chamber or compartment or tank or container)) and (347/\$.ccls. or 222/\$.ccls. or 141/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:53
5	0	((valve or sealing or plug or ball) same spring same (packing or septum) same needle) and (cartridge or chamber or compartment or tank or container)) and (347/\$.ccls. or 222/\$.ccls. or 141/\$.ccls.) not(((valve or sealing or plug or ball) same spring same (packing or septum) same needle) and (cartridge or chamber or compartment or tank or container)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:27
6	153	((valve or sealing or plug or ball) same spring same (packing or septum) same needle) and (cartridge or chamber or compartment or tank or container)) not((((valve or sealing or plug or ball) same spring same (packing or septum) same needle) and (cartridge or chamber or compartment or tank or container)) and (347/\$.ccls. or 222/\$.ccls. or 141/\$.ccls.)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:27
7	767	((valve or sealing or plug or ball) same spring same (packing or septum) same (needle or tube or pipe)) and (cartridge or chamber or compartment or tank or container)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:52
8	554	((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:53
9	157	((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)) and (347/\$.ccls. or 222/\$.ccls. or 141/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:54
10	105	((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)) and (347/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:54

11	23	((((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)) and (347/\$.ccls.)) not((((valve or sealing or plug or ball) same spring same (packing or septum) same needle) and (cartridge or chamber or compartment or tank or container)) and (347/\$.ccls. or 222/\$.ccls. or 141/\$.ccls.)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:56
12	347	(((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)) not(((valve or sealing or plug or ball) same spring same (packing or septum) same needle) and (cartridge or chamber or compartment or tank or container)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:57
13	324	((((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)) not(((valve or sealing or plug or ball) same spring same (packing or septum) same needle) and (cartridge or chamber or compartment or tank or container)))) not((((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)) and (347/\$.ccls.)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:58
14	52	((((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)) and (347/\$.ccls. or 222/\$.ccls. or 141/\$.ccls.)) not((((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)) and (347/\$.ccls.)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:57
15	278	((((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)) not(((valve or sealing or plug or ball) same spring same (packing or septum) same needle) and (cartridge or chamber or compartment or tank or container)))) not((((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)) and (347/\$.ccls. or 222/\$.ccls. or 141/\$.ccls.)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 10:59
16	422	((valve or sealing or plug or ball) and spring and (packing or septum) and (needle or pipe or tube)) and 347/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 11:16

17	317	((valve or sealing or plug or ball) and spring and (packing or septum) and (needle or pipe or tube)) and 347/\$.ccls.) not((((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 11:04
19	259	((valve or sealing or plug or ball) and spring and (packing or septum) and (needle or pipe or tube)) and 347/85-87.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 11:11
20	182	((valve or sealing or plug or ball) and spring and (packing or septum) and (needle or pipe or tube)) and 347/85-87.ccls.) not((((valve or sealing or plug or ball) with (needle or tube or pipe)) same spring same (packing or septum)) and (cartridge or chamber or compartment or tank or container)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 11:13
21	2367	(shinada with satoshi) or (seino with takeo) or (miyazawa with hisashi) or (toba with koichi) or (naka with takahiro) or (usui with minoru) or (kobayashi with atsushi) or (hayakawa with hitoshi)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 11:16
22	32	((valve or sealing or plug or ball) and spring and (packing or septum) and (needle or pipe or tube)) and ((shinada with satoshi) or (seino with takeo) or (miyazawa with hisashi) or (toba with koichi) or (naka with takahiro) or (usui with minoru) or (kobayashi with atsushi) or (hayakawa with hitoshi))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/19 11:16